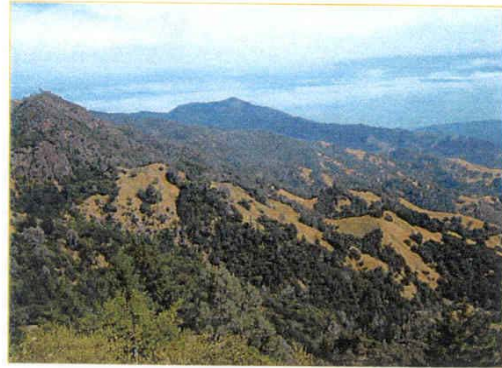


Exhibit 3: Knoxville-Cedar Roughs Conservation Area Description

KNOXVILLE – CEDAR ROUGHS

Description

This 139,000-acre conservation area is located on the west-side of Lake Berryessa in northeastern Napa County. It includes lands owned by the Bureau of Land Management, the University of California McLaughlin Natural Reserve, and part of California Department of Fish and Game's Knoxville Ranch. In total, conservation lands represent 28% of the area.



Conservation Targets

Ecological systems

Annual grassland
Blue oak woodland
Montane mixed chaparral
Northern interior cypress forest
Northern mixed chaparral
Northern vernal pool
Serpentine barrens
Serpentine bunchgrass / forb meadow
Serpentine chaparral
Serpentine grassland
Serpentine wetlands
Valley oak woodland
Wildflower field

Mammals

Townsend's big-eared bat

Birds

Black shouldered kite
Blue-gray gnatcatcher
Clapper rail
Common yellowthroat
Coopers hawk
Forsters tern
Golden eagle
Horned lark
Long-eared owl
Northern harrier
Peregrine falcon
Prairie falcon
Sage sparrow
Savannah sparrow
Snowy plover
Spotted owl
Tree swallow
Warbling vireo

Exhibit 3: Knoxville-Cedar Roughs Conservation Area Description

Yellow-headed blackbird

Fish

Reptiles and amphibians

Foothill yellow-legged frog

Northwestern pond turtle

Invertebrates

Plants

Antirrhinum virga

Arabis oregana

Asclepias solanoana

Astragalus breweri

Astragalus clariana

Astragalus clevelandii

Astragalus rattanii jepsonianus

Calamagrostis ophitidis

Calochortus uniflorus

Calyptridium quadripetalum

Collomia diversifolia

Cordylanthus tenuis ssp. *brunneus*

Delphinium uliginosum

Erigeron angustatus

Eriogonum lateolum var. *caninum*

Eriogonum nervulosum

Eriogonum tripodum

Erythronium helenae

Fritillaria pluriflora

Fritillaria purdyi

Harmonia hallii

Helianthus exilis

Hesperolinon bicarpellatum

Hesperolinon drymarioides

Hesperolinon serpentinum

Juglans californica ssp. *hindsii*

Layia septentrionalis

Lepidium latipes

Lomatium ciliolatum var. *hooveri*

Lomatium repostrum

Lomatium repostum

Malacothamnus helleri

Mimulus nudatus

Mimulus tricolor

Mimulus bolanderi

Monardella viridis ssp. *viridis*

Navarretia jepsonii

Navarretia rosulata

Orobanche valida ssp. *howellii*

Pogogyne douglasii ssp. *parviflora*

Ribes victoris

Senecio clevelandii var. *clevelandii*

Streptanthus brachiatus ssp. *hoffmanii*

Streptanthus morrisonii var. *elatus*

Thelypodium brachycarpum

Threats

- Habitat conversion and fragmentation resulting from mining activities. Though mostly historic, some mining activity still occurs in the northern portion of the conservation area.
- Altered stream hydrology and quality resulting from mining activities.
- Habitat fragmentation and degradation resulting from off-road vehicle activities (both public and private lands in the conservation area have been heavily impacted from off-road recreation).
- Habitat conversion and fragmentation resulting from rural residential development and vineyard conversion. Largely confined to areas near Lake Berryessa and to a lesser extent, Snell Valley.

Conservation Goals

- Build on existing conserved lands to establish the following three core habitat nodes and maintain linkages between them: 1) McLaughlin UCNR, 2) Spanish Valley, and 3) Cedar Roughs (see map). In total, 28,227 acres are

Exhibit 3: Knoxville-Cedar Roughs Conservation Area Description

recommended as core and 3,693 acres as buffer for conservation resulting in an increase of conserved lands in the area to 48%.

- Maintain water quality and adequate flow on Putah Creek
- Maintain regional habitat linkage south to the Atlas Peak – Mount George Conservation Area.

Strategies

- Through acquisition of fee or easements, maintain core and buffer properties in compatible land uses.
- Work with Bureau of Land Management to elevate protection status of key lands in the conservation area such as Cedar Roughs.
- Work with the Blue Ridge Berryessa Natural Area Partnership to coordinate land management and conservation efforts in the region.

Exhibit 3: Knoxville-Cedar Roughts Conservation Area Description

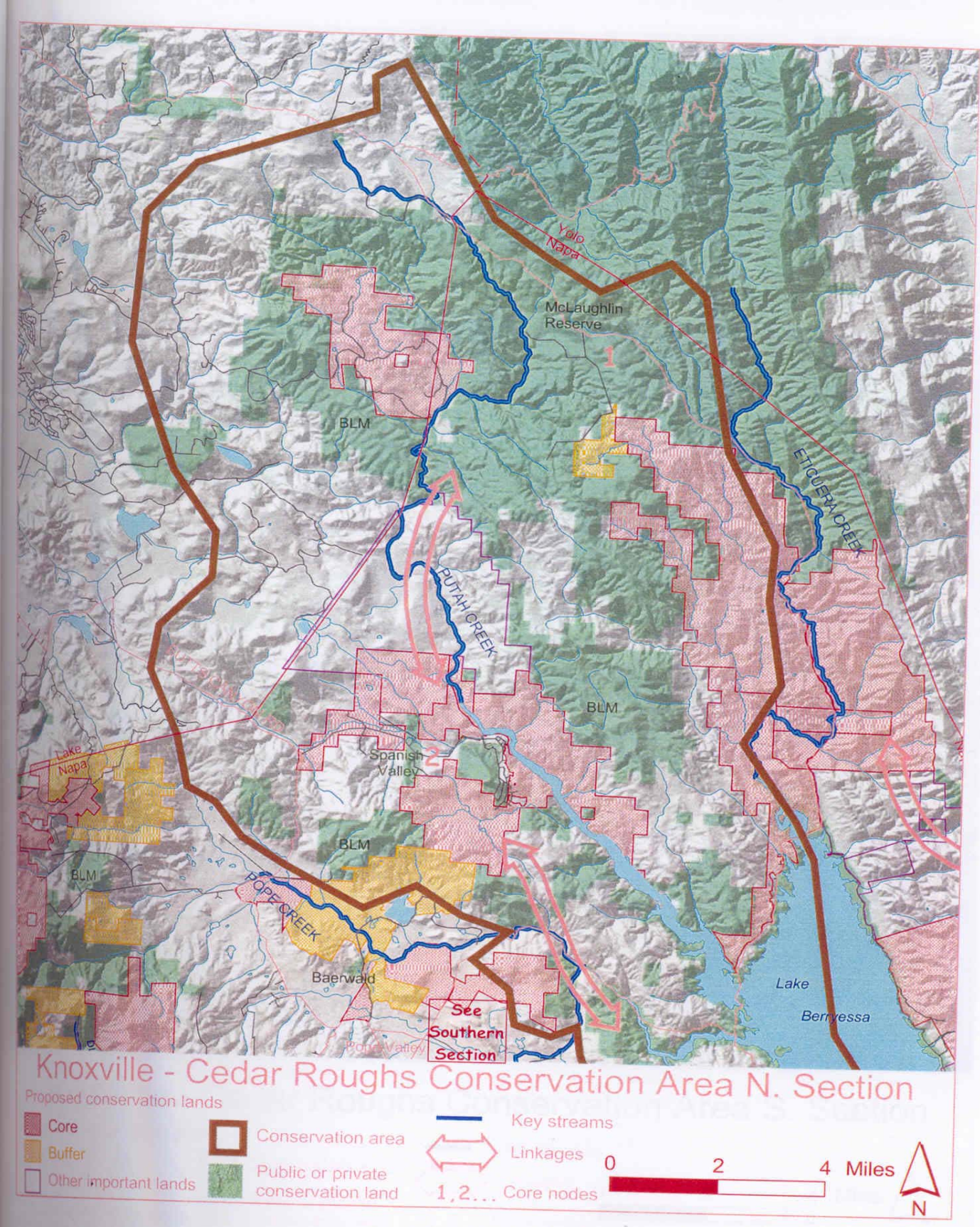


Exhibit 3: Knoxville-Cedar Roughs Conservation Area Description

